



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142169

Mode: Highway

Status: Submitted

US-321

From/Cross Street:

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Statewide Mobility

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$1,550,000

Description:

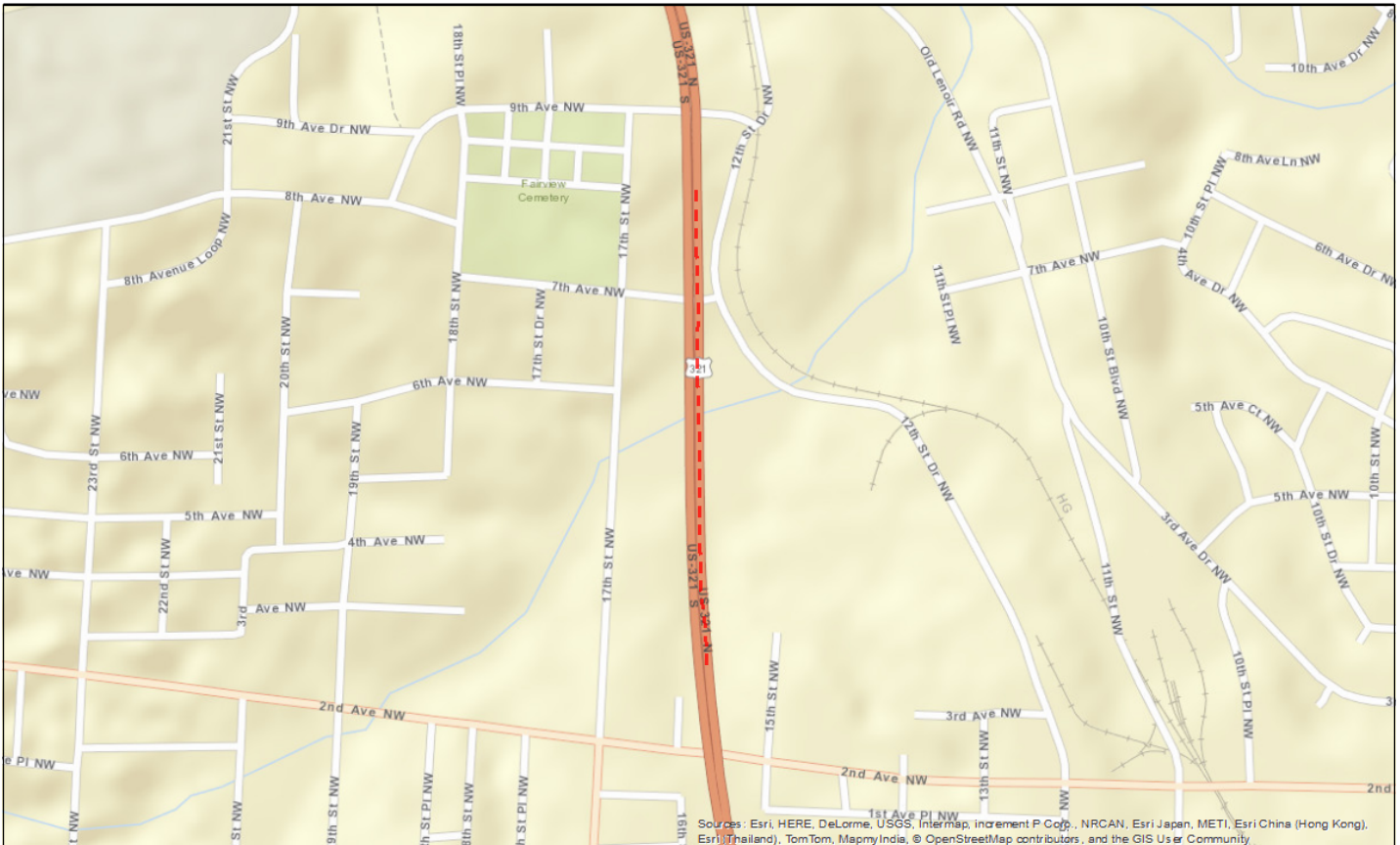
Add directional crossover at existing median break near address 530 US 321 in Hickory. Coordinates 35.739618,-81.365457

Division(s): Division 12

County(s): CATAWBA

MPOS(s)/RPO(s): Greater Hickory MPO

Project Location



Statewide Mobility Total Score: 38.43

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Economic Competitiveness (10%) 0.00 Multimodal + [Freight & Military] (20%) 25.71 Congestion (V/C) (30%) 88.74 [Travel Time] Benefit/Cost (30%) 0.00 Safety (10%) 66.65	N/A	N/A
Totals: Weight: 100% Weighted Score: 38.43		

Regional Impact Total Score: 48.24

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 66.65 [Travel Time] Benefit/Cost (25%) 0.00 Accessibility / Connectivity (10%) 43.94 Congestion (V/C) (25%) 88.74	Percent: 15% Points: 100	Percent: 15% Points: 0
Totals: Weight: 70% Weighted Score: 33.24		

Division Needs Total Score: 24.41

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 88.74 Safety (10%) 66.65 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 24.41		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	65906.79
Capacity:	63400
Volume/Capacity Ratio:	1.04
% Autos:	92%
% Trucks:	8%
Truck Volume:	5141.9
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	33.3
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	13
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	61
Actual Congested Speed:	36
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 12

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greater Hickory MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$1,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$300,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$1,550,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$1,550,000	